## ELECTRONICS

The XC-132 electronics equipment has been selected to provide a maximum of usefulness to the aircraft mission without burdening the aircraft with excess equipment. This equipment has been installed in a manner which allows optimum operation and extreme ease of servicing. The following is a description of the electronics components. For location of components and associated racks, see diagrams following.

## RADIO COMMUNICATION

The Flight Interphone is a North American Aviation intercommunication system, which is an improved version of AN/AIC-10. The controls are conveniently located for pilot, co-pilot, navigator and systems engineer with auxiliary controls located in the nose wheel well, in the decompression chamber, at the auxiliary power plant, and at the emergency hatch over the wing. The flight interphone is connected so that microphones may be used to operate the public address system.

Mechanics' Interphone stations are located at all points of maintenance. This interphone utilizes an AM-300 amplifier plus H-4C/UR headset microphones which are stowed conveniently on the forward side of the main cargo compartment forward bulkhead. This interphone is arranged so that any mechanic's station may converse with a flight station or vice versa. The mechanics' stations may also operate the public address system.

The H. F. Liaison is the AN/ARC-21 transmitter-receiver and the AN/ARC-36 auxiliary receiver. The controls for these units are in the pilots radio pedestal.

The V. H. F. Command is the AN/ARC-49 transmitter-receiver and power unit. The control is located in the pilot's radio pedestal.

The U. H. F. Command is the AN/ARC-34 transmitter-receiver with its control in the pilot's pedestal.

The ARA-26 Emergency Keyer unit operates in conjunction with the H. F. Liaison Set. The control is located convenient to the navigator.

The MI-36 Public Address amplifiers are located in the main electronics rack and controlled at the pilot's pedestal. The system may be utilized by the microphone at any flight or mechanic's interphone station.

Stowage is provided for an AN/CRT-3 Emergency Transmitter unit in the life raft compartment.